

IN THE ABSTRACT

 Please replace the Abstract with the following.

*AD*

Noise-reduced signal values derived from at least a part of the constant frequency interval of a telecommunication signal for adapting a filter to the frequency of the constant frequency interval, and to determine the position of the constant frequency interval on the basis of the filtered output values. Employing this idea, a filter can be adapted to a wide range of possible frequencies, which means that the filtered output values will show marked differences when the constant frequency interval begins and/or ends. These differences can be used to detect the position accurately and reliably.